

Non-Aqueous Electrolytes and Method for Anodizing

Abstract of the Disclosure

Non-aqueous electrolytic solutions suitable for anodizing valve metal derivative anodes, methods of anodizing using non-aqueous electrolytic solutions, and capacitors prepared with non-aqueous electrolytic solutions. The non-aqueous electrolytic solution comprises glycerine and at least one soluble salt formed by the neutralization of at least one non-halogen-containing organic or inorganic acid anion with at least one alkali metal, ammonium, or protonated amine cation; wherein the acid anion is derived from an acid having a pKa lower than phosphoric acid.